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☐ 1. Document ID: US 6765850 B2

L4: Entry 1 of 16

File: USPT

Jul 20, 2004

US-PAT-NO: 6765850

DOCUMENT-IDENTIFIER: US 6765850 B2

TITLE: Optical disc apparatus and information recording apparatus using the optical disc apparatus

DATE-ISSUED: July 20, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Shiozawa; Akinori	Hitachinaka			JP
Sugiyama; Hisataka	Kodaira			JP
Ohta; Masataka	Hitachinaka			JP
Ono; Hiroaki	Mito			JP
Minemura; Hiroyuki	Kodaira			JP

US-CL-CURRENT: 369/47.52; 369/47.53, 369/47.55

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWNC	Draw Ds
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☐ 2. Document ID: US 6747924 B1

L4: Entry 2 of 16

File: USPT

Jun 8, 2004

US-PAT-NO: 6747924

DOCUMENT-IDENTIFIER: US 6747924 B1

TITLE: Optical disk reproduction apparatus

DATE-ISSUED: June 8, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Muramatsu; Akihiro	Hamamatsu			JP

US-CL-CURRENT: 369/44.29; 369/47.17, 369/53.1, 369/53.18

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWNC	Draw Ds
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☐ 3. Document ID: US 6498775 B1

L4: Entry 3 of 16

File: USPT

Dec 24, 2002

US-PAT-NO: 6498775

DOCUMENT-IDENTIFIER: US 6498775 B1

TITLE: Multi-layer optical recording media and system for recording and reproducing information data

DATE-ISSUED: December 24, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fan; Bunsen	Cortlandt Manor	NY		
Faris; Sadeg M.	Pleasantville	NY		

US-CL-CURRENT: 369/94; 369/275.1

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. De
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☐ 4. Document ID: US 6094410 A

L4: Entry 4 of 16

File: USPT

Jul 25, 2000

US-PAT-NO: 6094410

DOCUMENT-IDENTIFIER: US 6094410 A

TITLE: Multi-layer optical recording media and method for recording and reproducing information using the same

DATE-ISSUED: July 25, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fan; Bunsen	Cortlandt Manor	NY		
Faris; Sadeg M.	Pleasantville	NY		

US-CL-CURRENT: 369/94; 369/275.1

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. De
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☐ 5. Document ID: US 6031815 A

L4: Entry 5 of 16

File: USPT

Feb 29, 2000

US-PAT-NO: 6031815

DOCUMENT-IDENTIFIER: US 6031815 A

TITLE: Information carrier containing auxiliary information, reading device and method of manufacturing such an information carrier

DATE-ISSUED: February 29, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Heemskerk; Jacobus P. J.	Eindhoven			NL

US-CL-CURRENT: 369/275.3

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw De
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☐ 6. Document ID: US 6005838 A

L4: Entry 6 of 16

File: USPT

Dec 21, 1999

US-PAT-NO: 6005838

DOCUMENT-IDENTIFIER: US 6005838 A

TITLE: Multi-layers optical recording media and system for recording and reproducing information data

DATE-ISSUED: December 21, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fan; Bunsen	Cortlandt Manor	NY		
Faris; Sadeg M.	Pleasantville	NY		

US-CL-CURRENT: 369/275.1; 365/108, 369/94

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw De
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☐ 7. Document ID: US 5838653 A

L4: Entry 7 of 16

File: USPT

Nov 17, 1998

US-PAT-NO: 5838653

DOCUMENT-IDENTIFIER: US 5838653 A

TITLE: Multiple layer optical recording media and method and system for recording and reproducing information using the same

DATE-ISSUED: November 17, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fan; Bunsen	Cortlandt Manor	NY		
Faris; Sadeg M.	Pleasantville	NY		

US-CL-CURRENT: 369/275.1; 365/108, 369/94

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWMC	Draw De
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☒ 8. Document ID: US 5809007 A

L4: Entry 8 of 16

File: USPT

Sep 15, 1998

US-PAT-NO: 5809007

DOCUMENT-IDENTIFIER: US 5809007 A

TITLE: Optical disk and optical disk reproduction apparatus

DATE-ISSUED: September 15, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Takemura; Yoshinari	Settsu			JP
Ohara; Shunji	Higashiosaka			JP
Ishida; Takashi	Yawata			JP
Aoki; Yoshito	Moriguchi			JP
Furumiya; Shigeru	Himeji			JP
Gushima; Toyoji	Habikino			JP

US-CL-CURRENT: 369/275.3; 369/275.4, 369/30.09

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWMC	Draw De
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☒ 9. Document ID: US 5583840 A

L4: Entry 9 of 16

File: USPT

Dec 10, 1996

US-PAT-NO: 5583840

DOCUMENT-IDENTIFIER: US 5583840 A

TITLE: ROM type optical recording medium with a high reflectivity and an optical head operable on ROM, write-one and rewritable disk

DATE-ISSUED: December 10, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Minemura; Hiroyuki	Hitachi			JP
Sato; Yoshio	Hitachi			JP
Tsuboi; Nobuyoshi	Tokai-muran			JP
Andoh; Hisashi	Hitachi			JP
Nagai; Masaichi	Hitachi			JP
Ikuta; Isao	Iwaki			JP
Kato; Yoshimi	Takahagi			JP

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Maeda; Yoshihito	Mito	JP
Sugita; Tatsuya	Hitachi	JP
Sugita; Yutaka	Tokorozawa	JP

US-CL-CURRENT: 369/100; 369/275.1, 369/275.2, 369/283, 369/288

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KNOW	Draw De
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☒ 10. Document ID: US 5528574 A

L4: Entry 10 of 16

File: USPT

Jun 18, 1996

US-PAT-NO: 5528574

DOCUMENT-IDENTIFIER: US 5528574 A

TITLE: Disk reproducing apparatus capable of increasing speed of access to disks recorded at constant linear velocity

DATE-ISSUED: June 18, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Takeuchi; Toshifumi	Yokohama			JP
Inoue; Shigeki	Fujisawa			JP
Fukushima; Akio	Yokohama			JP
Arai; Takao	Yokohama			JP
Nagai; Yutaka	Yokohama			JP

US-CL-CURRENT: 369/47.4; 369/53.29

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KNOW	Draw De
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☐ 11. Document ID: US 5495459 A

L4: Entry 11 of 16

File: USPT

Feb 27, 1996

US-PAT-NO: 5495459

DOCUMENT-IDENTIFIER: US 5495459 A

TITLE: Interactive training system and training material therefor

DATE-ISSUED: February 27, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tsukimi; Tsuyosi	Tokyo			JP

US-CL-CURRENT: 386/48; 235/462.01

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWC	Draw D
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☐ 12. Document ID: US 5475656 A

L4: Entry 12 of 16

File: USPT

Dec 12, 1995

US-PAT-NO: 5475656

DOCUMENT-IDENTIFIER: US 5475656 A

TITLE: Optical disk memory and information processing apparatus

DATE-ISSUED: December 12, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sato; Yoshio	Hitachi			JP
Tsuboi; Nobuyoshi	Ibaraki			JP
Minemura; Hiroyuki	Hitachi			JP
Andoh; Hisashi	Hitachi			JP
Nagai; Masaichi	Hitachi			JP
Ikuta; Isao	Iwaki			JP
Kato; Yoshimi	Takahagi			JP
Maeda; Yoshihito	Mito			JP
Sugita; Tatsuya	Hitachi			JP
Sugita; Yutaka	Tokorozawa			JP

US-CL-CURRENT: 369/13.37; 369/14, 369/273

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWC	Draw D
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☐ 13. Document ID: US 5274612 A

L4: Entry 13 of 16

File: USPT

Dec 28, 1993

US-PAT-NO: 5274612

DOCUMENT-IDENTIFIER: US 5274612 A

TITLE: Information processor and disk memory used in the same

DATE-ISSUED: December 28, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sato; Yoshio	Hitachi			JP
Tsuboi; Nobuyoshi	Naka			JP
Minemura; Hiroyuki	Hitachi			JP
Andoh; Hisashi	Hitachi			JP
Nagai; Masaichi	Hitachi			JP
Ikuta; Isao	Iwaki			JP

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Kato; Yoshimi	Takahagi	JP
Maeda; Yoshihito	Mito	JP
Sugita; Tatsuya	Hitachi	JP
Sugita; Yutaka	Tokorozawa	JP

US-CL-CURRENT: 369/13.37; 369/275.5, 369/291

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWMC	Draw Ds
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☐ 14. Document ID: US 4896309 A

L4: Entry 14 of 16

File: USPT

Jan 23, 1990

US-PAT-NO: 4896309

DOCUMENT-IDENTIFIER: US 4896309 A

**** See image for Certificate of Correction ****

TITLE: Optical disc player with phase shift dependent on disk rotation direction

DATE-ISSUED: January 23, 1990

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Yamakawa; Akio	Kanagawa			JP
Yamashita; Noriyuki	Tokyo			JP
Arai; Masaaki	Kanagawa			JP

US-CL-CURRENT: 369/47.3; 369/124.14, 369/195, 369/199, 369/44.41, 369/47.31,
369/53.29

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWMC	Draw Ds
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☐ 15. Document ID: US 4723235 A

L4: Entry 15 of 16

File: USPT

Feb 2, 1988

US-PAT-NO: 4723235

DOCUMENT-IDENTIFIER: US 4723235 A

TITLE: System for playing back information recorded on a disk recording medium with an improved discrimination and playback start operation

DATE-ISSUED: February 2, 1988

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Yasuda; Shigeru	Tokorozawa			JP
Akiyama; Tetsuo	Tokorozawa			JP

US-CL-CURRENT: 369/47.47; 369/30.12

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWC	Draw D
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☐ 16. Document ID: US 4403259 A

L4: Entry 16 of 16

File: USPT

Sep 6, 1983

US-PAT-NO: 4403259

DOCUMENT-IDENTIFIER: US 4403259 A

**** See image for Certificate of Correction ****

TITLE: Apparatus for reading information from an information recording disc

DATE-ISSUED: September 6, 1983

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Masaki; Keiji	Tokorozawa			JP

US-CL-CURRENT: 386/78; 369/43, 386/82

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWC	Draw D
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Terms	Documents
L3 same (cav or (constant adj2 angular adj2 velocit\$)) same (clv or (constant adj2 linear adj2 velocit\$))	16

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